

#### ABSTRACT

This invention relates to biology, veterinary and medicine, and more particularly to methods and devices for physiotherapy with the use of electro-magnetic radiation in the ultra-high frequency band. The method consists in that patients are irradiated with electromagnetic microwave field at, at least, one frequency belonging to, at least, one of the 18 frequency ranges. The intensity of radiation at the place of location of the patient does not exceed  $3.6 \mu\text{W}/\text{cm}^2$ . The device for carrying out the method comprises, at least, one oscillator ensuring the production of electromagnetic radiation in the 18 frequency ranges, both at the main frequencies and at multiple ones. In the result the effect of pain relief is achieved, inflammatory processes are lessened, processes of regeneration of damaged tissues are stimulated, an affected immune status is corrected, the processes of cell proliferation in neoplasms are stabilized, the lysis of necrotic tissue cells occurs.